8. (Original) A computer-readable medium as in claim 6, wherein the second communication protocol is the Internet Printing Protocol (IPP).

9. (Currently amended) A computer-readable medium having stored thereon a data structure having:

a first data region containing data representing a header portion of a <u>Hypertext Transfer Protocol (HTTP)</u> ~~communication~~ packet, including authentication request data representing a request by a client to form an authenticated <u>HTTP</u> connection with a server, the authentication request data formatted to <u>cause</u> ~~prompt~~ a server not recognizing the authentication request data to respond with a pre-defined error message; and

a second data region containing data representing a data portion of the <u>HTTP</u> ~~communication~~ packet.

10. (Canceled) A computer-readable medium as in claim 9, wherein the communication packet is formatted according to the Hypertext Transport Protocol (HTTP).

11. (Currently amended) A computer-readable medium as in claim ~~10~~ 9, wherein the authentication data <u>identify</u> ~~represent~~ a method <u>defined in the Hypertext Transfer Protocol (HTTP)</u> ~~under the Hypertext Transport Protocol~~.

12. (Currently amended) A computer-readable medium having stored thereon a data structure having:

a first data region containing data representing a header portion of a <u>Hypertext Transfer Protocol (HTTP)</u> ~~communication~~ packet, and

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a second data region containing data representing a data portion of the communication

packet, including authentication request data representing a request by a client to form an

authenticated <u>HTTP</u> connection with a server, the authentication request data formatted to <u>cause</u>

~~prompt~~ a server not recognizing said <u>authentication request</u> data to respond with a pre-defined

error message.

13. (Canceled) A computer-readable medium as in claim 12, wherein the communication

packet is formatted according to the Hypertext transport Protocol (HTTP).

*12*

14. (Currently amended) A computer-readable medium as in claim ~~13~~, wherein the data

· in the second data region represent communication data formatted according to the Internet

Printing Protocol (IPP), and the authentication data <u>identify</u> ~~represent~~ an operation under the

Internet Printing Protocol.

15. (Currently amended) A method of communication for a client to force a server

supporting both authenticated and non-authenticated <u>network</u> connections <u>under the Hypertext</u>

<u>Transfer Protocol (HTTP)</u> to establish an authenticated <u>HTTP network</u> connection, comprising

the steps of:

sending, by the client, a <u>HTTP connection</u> request packet to the server, the <u>HTTP</u>

<u>connection</u> request packet including authentication request data indicating a request for forming

an authenticated <u>HTTP</u> connection with the server,

checking, by the server in response to receipt of the <u>HTTP connection</u> request packet,

whether an authenticated <u>HTTP</u> connection with the client exists;

KV